

SPECIFICATION BR 3041
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CONTROLLED

WEATHERPROOF TELEPHONE
FOR USE AT
LEVEL CROSSINGS

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BR Telecommunications Ltd
Director of Engineering
Macmillan House
Paddington Station
LONDON W2 1FT

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1 INTRODUCTION

This specification is written by:

Director of Engineering
BR Telecommunications Ltd
Macmillan House
Paddington Station
LONDON
W2 1FT

Telephone: 071-922 6591
Facsimile: 071-922 6653
Telex: 299431 BRHQLN G

ETD 00-26591
ETD 00-26653
(Preface
message with
"To HQPD")

to whom technical queries shall be referred

This specification is issued by:

The Director of Procurement
Materials Management Group
Room 1103, Rail House
Gresty Road, CREWE
CW2 6EA

Telephone: 0270 532494
Facsimile: 0270 532345

ETD 05-32494
ETD 05-32345

from whom further copies may be obtained.

2 DEFINITIONS AND ABBREVIATIONS

For the purposes of this specification the words and phrases defined in the General and Special Conditions of Contract shall have the same meanings.

3. REFERENCES

BR 1672 Weatherproof telephones for use on British Railways

BS 6328 Apparatus for connection to private circuits

4. SCOPE

4.1 This Specification details the requirements for weatherproof telephones for use at level crossings by British Railways.

4.2 This Specification should be read in conjunction with Specification BR 1672, weatherproof telephones.

4.3. Two different models are described:

4.3.1. Direct circuit version - CB telephone - with one button for directly connected circuits

4.3.2. Preset number dialling version - autodialler - with single button for tone or pulse dialling of preset numbers only;

5. GENERAL REQUIREMENTS

The telephone shall conform to the general requirements of BR 1672, weatherproof telephones.

The telephone shall draw its electrical power from the telephone line.

6. HANDSET AND CORD

The handset cord shall be a spiral armoured cord

The nominal length of the handset cord shall be 500 mm.

The handset cord shall contain two additional wires connected together at the handset end to form a continuity test loop.

The handset continuity wires described above shall be connected in series with the illumination source described in Section 10 below.

The wires from the continuity loop and illumination source shall be connected to terminals on the line terminal block clearly labelled.

7. DIRECT CIRCUIT VERSION

7 The telephone shall conform to the requirements of Section 15 of Specification BR 1672.

The call button shall operate a single pole, non-latching changeover switch. The switch shall be terminated on additional terminals, clearly labelled, on the line terminating block.

The telephone shall draw 5 milliamps current (within 10%) from the telephone line in the on-hook state. This current shall flow through the handset continuity loop.

8. PRESET NUMBER DIALLING VERSION

8.1. The telephone shall conform to the requirements of Section 14 in Specification BR 1672